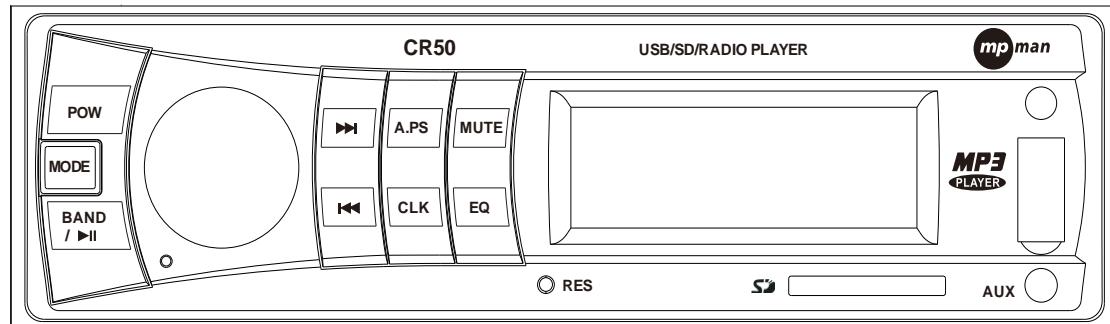


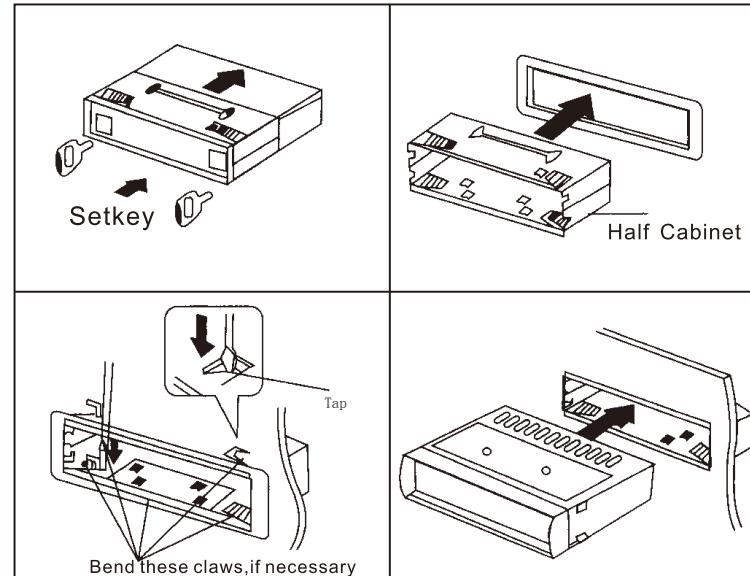
CR50 USER'S MANUAL



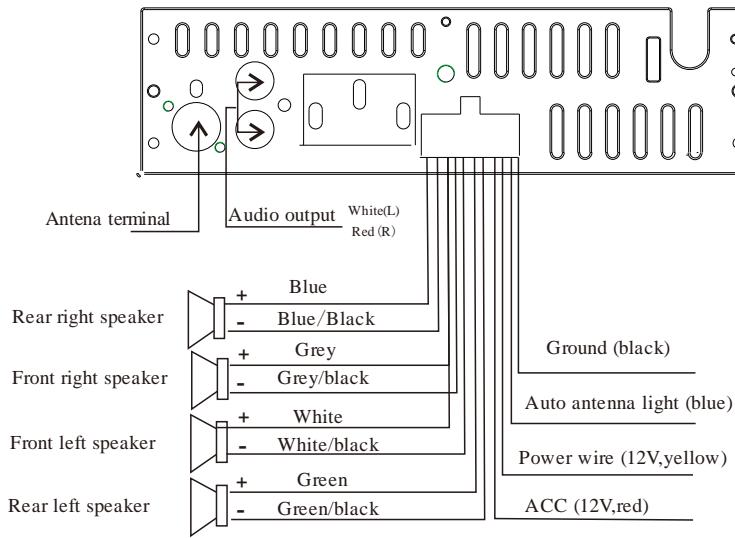
Please read this manual carfully
before operation!

Installation Precautions:

1. This unit should be installed by professional personnels, if possible.
2. Please refer to the instruction manual for electrical application, wrong operation will cause damage to the unit.
3. Apply to the power cord after all connections of the unit are set.
4. Insulate all exposed wires to avoid short circuit.
5. All loosen wires should be fixed after installation.
6. Read the application and operating carefully instructions for each part before installation.
7. The unit is designed for 12V-15V negative ground operation system only. Make sure your vehicle is connected to such negative ground electrical system.
- 8 . Be sure to connect the unit in exact according to the lead-diagram, otherwise malfunctions or damages would be possible.



Wiring diagram:



1. This unit is applicable to 12V direct-current negative ground electrical system only.
2. In order to avoid short circuit, please disconnect the wire connecting terminal of the car storage battery before all applicatons of the unit are completed.
3. Please note that the yellow directing wire is connected to the anode terminal(+) or the BAT terminal.
4. Change the fuse, the specifications of the fuse for both the automobile and the unit shall be the same.
5. Excellent 4-8 ohm speaker is required for perfect performance.

SPECIFICATIONS:

FM tuner:

Frequency range:	87.5-108MHz
Medium frequency:	10.7MHz $\pm 0.3\%$
Signal/Noise ratio:	50dB
Radio sensitivity :	10dB

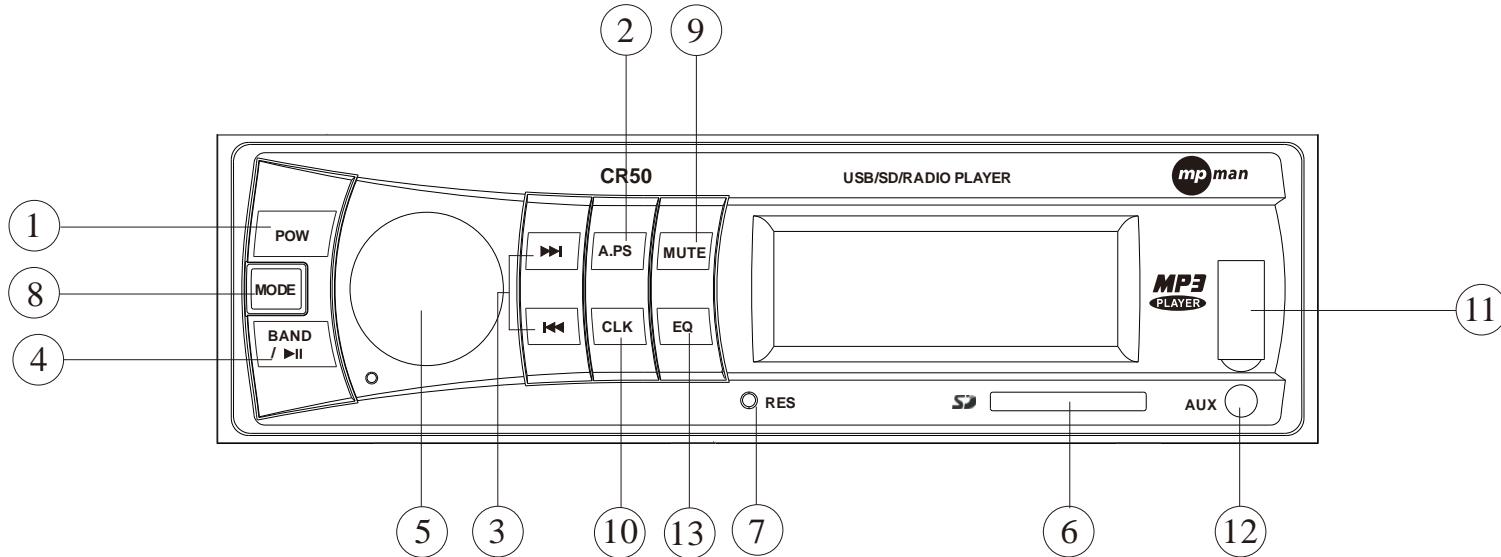
USB/SD:

Frequency response:	20Hz-20KHz
Signal/Noise ratio:	>50dB
T.H.D.....	<0.5%(1KHz)

Others:

MAX Output Power	4x45W
Supply voltage	12-15VDC minus earth
Speaker impedance	4-8 ohm /ch
Demensions	177x115x50mm

Front panel and functions:



1. Power: Power on/off

2. A.PS:

*When play USB/SD,short press it to enter track selection,rotate VOL to select track,press it for playing
*On radio mode,press it for auto station search and storage.

3.◀◀/▶▶ :

*When play USB/SD,press it to select previous or next track,hold it for fast forward 10 tracks
or fast backward 10 tracks.

*On radio mode,short press it for manual select stations(with "BAND button to store the stations),
hold it for auto stations scanning.

4.BAND / ►|| :

*When play USB/SD,press it for PAUSE.

*On radio mode,press it for band conversion among FM1,FM2,FM3,hold it to store the station you've just selected.

5. VOL button:Volume control (rotate the button to adjust it),press the button to select among DH,NON,S7.when play USB/SD,press it to choose the sound effects among “CLASS”, “POP”, “ROCK”

6.SD card port

7.RESET:Reset button

8.MODE:Press it for mode conversion.

9.MUTE:press it for mute

10.CLK:Press it to show the time,hold it to adjust it,with VOL+,VOL- to adjust the time.Press “SEL” for back to the menu.

11.USB port

12.AUX (external signal input)

13.EQ:Press it to choose the sound effects among “CLASS”, “POP”, “ROCK”.

WARNINGS:

- ★ SHOULD ANTENNA LINE (BLUE ONE) BE GROUNDED OR WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON.
- ★ SHOULD POWER LINE (YELLOW ONE) BE GROUNDED OR WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON OR LIGHT OUT.
- ★ SHOULD MEMORY LINE (RED ONE) BE WRONGLY CONNECTED, THE WHOLE UNIT WOULD BURN OUT OR FAIL TO TURN ON OR LIGHT OUT.
- ★ THE SPEAKERS SHOULD BE CORRECTLY WIRED, OTHERWISE, THE SPEAKER AND THE AMPLIFIER IC WOULD BURN OUT OR SOUNDLESS.